In response to the Office Action of August 10, 2005, please amend the application as follows:

IN THE CLAIMS

1-49. (Cancelled)

Please add new claims 50-70 as follows.

- 50. (New) A process for the preparation of inactivated microorganisms containing one or more pharmacological or nutritional substances soluble in an aqueous solution comprising the following steps:
- i) drawing out the endocellular mass of a microorganism by means of a hypertonic treatment;
 - ii) separating the endocellular mass and recovering the empty microorganisms; and
- iii) loading one or more pharmacological or nutritional substances soluble in an aqueous solution into the inactivated microorganism recovered in step ii) by incubating said empty microorganism in a hypotonic aqueous solution, iso-tonic aqueous solution, or a mixture thereof, comprising the pharmacological or nutritional substances.
- 51. (New) The process according to claim 50, comprising a further step of chemical or physical inactivation of the microorganism obtained in step ii), leaving the external membrane of the microorganism unaltered.
- 52. (New) The process according to claim 50, wherein the suitable microorganism in step i) is Saccharomyces cerevisiae.
- 53. (New) The process according to claim 50, wherein said pharmacological substance is selected from the group consisting of antibiotics, anti-inflammatories, antibacterials, antivirals, antifungals, antiparasitic agents and vaccines.

- 54. (New) The process according to claim 53, wherein said antibiotic is oxytetracycline.
- 55. (New) The process according to claim 53, wherein said antibacterial is sulphadimethoxin.
- 56. (New) The process according to claim 50, wherein said nutritional substance is selected from the group consisting of sodium quercetin, catechin, isocatechin, aliphatic polyalcohols, polyphenols, flavans, cyanins, resveratrol and hyperic acid.
- 57. (New) The process according to claim 50, wherein said nutritional substance is selected from the group consisting of cyanocobalamin (vitamin B12), folic acid, thiamine (Vitamin B1), α-tocopherol and ascorbic acid.
- 58. (New) The process according to claim 50, wherein:

in step i) the endocellular mass is drawn out by incubating the microorganism in a hypertonic solution of the same pharmacologically active substance to be loaded into the microorganism; and

in step iii) said pharmacologically active substance is already present in the solution and is loaded into the microorganism with a change of the osmolarity due to dilution of the solution to hypo-tonicity, iso-tonicity, or a mixture thereof.

- 59. (New) The process according to claim 50, further comprising a treatment of the microorganisms with a fixative or a disinfecting agent.
- 60. (New) The process according to claim 50, wherein the hypertonic treatment in step i) is obtained by incubation of a hypertonic solution comprising NaCl in concentrations higher than 0.2 M.
- 61. (New) The process according to claim 50, wherein said hypotonic treatment in step iii) is obtained by means of a hypotonic solution comprising NaCl in concentrations lower than 0.12M.

- 62. (New) The process according to claim 50, wherein the isotonic treatment in step iii) is performed by a 0.9% NaCl isotonic solution, optionally comprising sodium citrate 0.025 M.
- 63. (New) The process according to claim 62, wherein the 0.9% isotonic solution comprises sodium citrate 0.025 M.
- 64. (New) The process according to claim 50, wherein
- -said hypertonic treatment in step i) is performed with a solution consisting of 1.0 M NaCl and 0.05 M sodium citrate;
- said hypotonic treatment in step iii) is performed with a solution consisting of 0.05 M NaCl and 0.005 M sodium citrate.
- 65. (New) The process according to claim 50, wherein -said hypertonic treatment in step i) is performed with a solution consisting of 1.0 M NaCl and 0.05 M sodium citrate;
- -said isotonic treatment in step iii) is performed with a solution consisting of 0.9% NaCl and 0.025 M sodium citrate.
- 66. (New) A microorganism obtainable according to the process of claim 53.
- 67. (New) A microorganism obtainable according to the process of claim 54.
- 68. (New) A microorganism obtainable according to the process of claim 55.
- 69. (New) A microorganism obtainable according to the process of claim 56.
- 70. (New) A microorganism obtainable according to the process of claim 57.